

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A method for the degradation of lignocellulosic material by applying to the material an enzyme composition which is a mixture comprising at least a cellulase, xylanase and ligninase, and optionally other enzymes, to solubilise or decompose the material at least partially.
2. (Original) A method according to claim 1 in which the enzyme composition further includes a protease, lipase, urease, uricase, and/or pectinase.
3. (Original) A method of removing a biological deposit from a surface or location on or in which it is undesirably deposited, by applying to the deposit an enzyme composition which is a mixture comprising at least a cellulase, xylanase and ligninase to solubilise or decompose the deposit.
4. (Original) A method according to claim 3 in which the deposit is human or animal faeces and the enzyme composition comprises a protease, lipase, urease, cellulase, xylanase and ligninase.
5. (Original) A method according to claim 3 in which the deposit is bird droppings and the enzyme composition comprises a uricase, cellulase, xylanase and ligninase.
6. (Original) A method according to claim 3 in which the deposit is leaves and the enzyme composition comprises a pectinase, cellulase, xylanase and ligninase
7. (Currently Amended) A method according to ~~any one of claims 1 to 6~~ claim 1 in which the enzyme composition is a mechanical blend of the enzymes.

8. (Currently Amended) A method according to ~~any one of claims 1 to 6~~ claim 1 in which the enzyme composition includes an enzyme mixture obtainable by cultivating a fungus selected from the class of White Rot Fungi in a liquid growth medium and harvesting the enzymes produced by the fungus from the liquid growth medium.

9. (Original) A method according to claim 8, in which the fungus is cultivated in the presence of dung or a dung extract as an auxiliary growth medium.

10. (Original) An enzyme composition useful to solubilise or decompose a biological deposit, which is a enzyme mixture comprising at least a cellulase, xylanase and ligninase, and at least one other enzyme selected from a protease, lipase, urease, uricase, and pectinase.

11. (Original) A composition according to claim 10 in which the deposit is human or animal faeces and the enzyme composition comprises a protease, lipase, urease, cellulase, xylanase and ligninase.

12. (Original) A composition according to claim 10 in which the deposit is bird droppings and the enzyme composition comprises a uricase, cellulase, xylanase and ligninase

13. (Original) A composition according to claim 10 in which the deposit is leaves and the enzyme composition comprises a pectinase, cellulase, xylanase and ligninase

14. (Currently Amended) A composition according to ~~any one of claims 10 to 13~~ claim 10 in which the enzyme composition includes an enzyme mixture obtained by cultivating a fungus selected from the class of White Rot Fungi in a liquid growth medium and harvesting the enzymes produced by the fungus from the liquid growth medium.

15. (Original) A composition according to claim 14, in which the fungus is cultivated in the presence of dung or a dung extract as an auxiliary growth medium.

16. (Original) A composition according to claim 15 in which the fungus is selected from the family Polyporaceae.

17. (Currently Amended) A composition according to claim 15[[or 16]], in which the enzyme mixture includes cellulase, xylanase and laccase enzymes.

18. (Original) A composition according to claim 17 in which the fungus is selected from the species Coriolus, Pleurotus and Ganoderma.

19. (Original) A composition according to claim 16 in which the fungus is selected from Coriolus versicolor, Pleurotus ostreatus and Ganoderma applanatum.

20. (Original) A composition according to claim 15, in which the enzyme mixture includes cellulase, xylanase and lignin peroxidase enzymes.

21. (Original) A composition according to claim 20 in which the fungus is selected from the species Phanerochaete.

22. (Original) A composition according to claim 21 in which the fungus is Phanerochaete chrysosporium.

23. (Currently Amended) A composition according to any ~~one of claims 14 to 22~~ claim 14 in which, after a suitable growth period, residues are removed from the nutrient medium by filtration, and the enzyme mixture is harvested, and then dried.

Applicant : Anthony ~~de~~ Covington et al.
Serial No. : To Be Assigned
Filed : February 2, 2005
Page : 6 of 7

Attorney's Docket No.: 17595-003US1 / 02370US

24. (Original) A composition according to claim 23 in which the enzyme mixture is freeze-dried or spray-dried. composition.